

Claims

1. A sanitizing composition comprising from about 0.25-10% by weight of a sulfur-containing salt, from about 0.25-10% by weight of a substituted or unsubstituted C2-C10 monocarboxylic acid or a salt thereof, and from about 0.1-30% by weight of an alcohol.  
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2. The composition of claim 1, said sulfur-containing salt being selected from the group consisting of alkali and alkaline earth metal sulfate and sulfite salts, preferably from the group consisting of alkali and alkaline earth metal sulfites.  
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3. The composition of claim 2, said sulfur-containing salt being sodium sulfite.  
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4. The composition of any of the preceding claims, said alcohol being selected from the group consisting of C1-C8 alcohols and mixtures thereof.  
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5. The composition of claim 4, said alcohol being selected from the group consisting of ethanol, propanol, and mixtures thereof.  
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6. The composition of any of the preceding claims, said composition comprising from about 0.5-5.0% by weight of said sulfur-containing salt.  
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7. The composition of any of the preceding claims, said carboxylic acid comprising lactic acid or a salt thereof.
8. The composition of any of the preceding claims, said composition comprising from about 0.5-5.0% by weight of said carboxylic acid or salt thereof.
9. The composition of any of the preceding claims, said composition comprising from about 1-15% by weight of said alcohol.

-9-

10. The composition of any of the preceding claims, said composition further comprising an emollient.

5 11. The composition of claim 10, said emollient selected from the group consisting of glycerin, lanolin, sorbitol, the alkylene glycols, the polyols, fatty acid esters of polyhydroxylated compounds, and mixtures thereof.

10 12. The composition of any of the preceding claims, said composition further comprising a surfactant.

15 13. The composition of claim 12, said surfactant being selected from the group consisting of nonionic surfactants, anionic surfactants, cationic surfactants, amphoteric surfactants, polyoxyethylene alcohols, polyoxyethylene nonylphenols, polyalkylene oxide block copolymers, polyvinylpyrrolidone, and mixtures thereof.

20 14. A sanitizing composition comprising from about 0.25-10% by weight of an inorganic sulfur-containing salt, from about 0.25-10% by weight of a substituted or unsubstituted C2-C10 carboxylic acid or a salt thereof, and from about 0.1-30% by weight of an alcohol.

25 15. The composition of claim 14, said sulfur-containing salt being selected from the group consisting of alkali and alkaline earth metal sulfate and sulfite salts, preferably from the group consisting of alkali and alkaline earth metal sulfites.

16. The composition of claim 15, said sulfur-containing salt being sodium sulfite.

30 17. The composition of any of the claims 14-16, said alcohol being selected from the group consisting of C1-C8 alcohols and mixtures thereof.

-10-

18. The composition of claim 17, said alcohol being selected from the group consisting of ethanol, propanol, and mixtures thereof.

19. The composition of any of the claims 14-18, said composition  
5 comprising from about 0.5-5.0% by weight of said sulfur-containing salt.

20. The composition of any of the claims 14-19, said carboxylic acid comprising lactic acid or a salt thereof.

10 21. The composition of any of the claims 14-20, said composition comprising from about 0.5-5.0% by weight of said carboxylic acid or salt thereof.

22. The composition of any of the claims 14-21, said composition comprising from about 1-15% by weight of said alcohol.

15 23. The composition of any of the claims 14-22, said composition further comprising an emollient.

20 24. The composition of claim 23, said emollient selected from the group consisting of glycerin, lanolin, sorbitol, the alkylene glycols, the polyols, fatty acid esters of polyhydroxylated compounds, and mixtures thereof.

25 25. The composition of any of the claims 14-24, said composition further comprising a surfactant.

26. The composition of claim 25, said surfactant being selected from the group consisting of nonionic surfactants, anionic surfactants, cationic surfactants, amphoteric surfactants, polyoxyethylene alcohols, polyoxyethylene nonylphenols, polyalkylene oxide block copolymers, polyvinylpyrrolidone, and mixtures thereof.

-11-

27. A sanitizing wipe comprising an absorbent substrate and a sanitizing composition according to any of the preceding claims loaded thereon.

28. The sanitizing wipe of claim 27, said absorbent substrate  
5 comprising a woven or nonwoven web of natural fibers, synthetic fibers, or mixtures  
of natural and synthetic fibers.

29. The sanitizing wipe of claim 28, said absorbent substrate  
comprising cellulosic fibers.

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30. A method of sanitizing a surface comprising contacting said  
surface with the composition of any of the claims 1-26.

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31. The method of claim 30, said surface comprising animal skin.

32. The method of claim 31, said surface being a bovine teat.

33. A method of sanitizing a surface comprising wiping said surface  
with the sanitizing wipe of any of the claims 27-29.

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34. The method of claim 33, said surface comprising animal skin.

35. The method of claim 34, said surface being a bovine teat.